

REMARKS

The Office Action of February 6, 2006, has been carefully considered.

A new title has been requested, and a new title has now been provided.

Objection has been raised to Claim 6 on the basis that there is insufficient basis for "the cooling member," and the dependency of Claim 6 has now been changed to Claim 2.

Claim 1 has been rejected under 35 USC 112, second paragraph, as being indefinite in the use of the term "good heat conductivity." This term has now been deleted from Claim 1, and the specification has been changed to read "high heat conductivity."

Withdrawal of this rejection is requested.

Claims 1 through 6 have been rejected under 35 USC 102(b) as anticipated by Hochstein.

Claim 1 has now been amended to clarify the invention, reciting a base member formed from a plurality of electric conductor members alternating with insulating members with each of the insulating members being disposed to secure and isolate conductive members. The base member presents first and opposite faces which are composed of alternating conductive and insulating members. A light emitting diode is mounted on a side of one of the conductive members on the first face, and a projection is outwardly extended for heat release from a side of the conductive member different from the side on which the light emitting diode is mounted. According to new Claim 8, a circuit substrate with an opening which exposes part of the upper surface of the first conductive member is mounted on the base member. The lighting element is mounted on the exposed portion of the conductive member within the opening and this device can be produced by

simply stacking the necessary members.

Therefore, the production of the device with high reliability is very easy, a plurality of devices being made at the same time as shown in Figures 10 through 15.

The device of the Hochstein reference comprises a heat sink 18, an LED 12 mounted on the heat sink, leads 14 and 16 connected to the LED, and an optical body 24 sealing these members. The device is mounted on a circuit board 32 and an electrical insulator 28 surrounds the extension 25. Heat from the LED radiates from extension 25 of heat sink 18.

This device does not include alternating conductive and insulating members, but is constructed in a far more complex fashion which makes production of the device very difficult and a plurality of devices cannot be produced at the same time.

The Office Action alleges that light emitting device 10 in Figure 1 includes a base member 32 having a plurality of electrically conductive members 18 with good heat conductivity and insulating members 24 securing and isolating each conductive member. Applicant submits that this is incorrect, as reference number 32 defines a circuit board (see paragraph [0023]) made of insulating material and thus does not have any thermal conductivity and no thermal radiation effect.

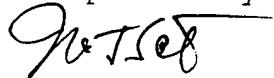
Hochstein does not therefore disclose the base member of the claimed invention including alternating conductive and insulating members or including at least first and second electrically conductive members and insulating members with each of the insulating members disposed to secure and isolate each of the conductive members.

Withdrawal of this rejection is accordingly requested.

In view of the foregoing amendments and remarks, Applicant submits that the present application is now in

condition for allowance. An early allowance of the application with amended claims is earnestly solicited.

Respectfully submitted,



Ira J. Schultz

Registration No. 28666

LAW OFFICES  
DENNISON, SCHULTZ, DOUGHERTY & MACDONALD  
SUITE 105  
1727 KING STREET  
ALEXANDRIA, VIRGINIA 22314-2700  
703 837-9600